

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Previously Presented) A fuel injection valve for an injection system for an internal combustion engine, said valve comprising:
a valve body having a valve body seat, and
a valve needle having a valve needle seat guided over a guide length (L) in the valve body within a stationary circular guiding surface for controlling a spray orifice, wherein the valve body includes a reservoir in the shape of an annular groove, said reservoir arranged coaxially to the guiding surface and separated from the guiding surface of the valve body by a cylinder-shaped wall section, wherein the wall section elastically deforms under pressure.
2. (Cancelled)
3. (Original) A valve in accordance with Claim 1, wherein the reservoir has a depth (T) of at least one fifth of the guide length (L).
4. (Original) A valve in accordance with Claim 1, further comprising a hydraulic connection between a fuel inlet of a pressure chamber in the valve body and the reservoir.
5. (Original) A valve in accordance with Claim 1, wherein the reservoir has a thickness (D_N) of at least one fifth of the diameter of the guiding surface.
6. (Previously Presented) A valve in accordance with Claim 1, wherein the wall section has a thickness (D_W), the reservoir has a thickness (D_N), and (D_W) and (D_N) are approximately equal.

7. (Previously Presented) A valve in accordance with Claim 1, wherein the wall section is hollow.

8. (Original) A valve in accordance with Claim 1, wherein the fuel injection system is a high-pressure accumulator injection system.

9. (Original) A valve in accordance with Claim 1, wherein the reservoir is a high pressure reservoir.

10. (Original) A valve in accordance with Claim 4, wherein the connection is adapted to maintain pressure in the reservoir.

11. (Original) A valve in accordance with Claim 1, wherein the reservoir has a depth (T) of up to about half the guide length (L).

12. (Cancelled)

13. (Previously Presented) A valve in accordance with Claim 1, wherein the diameter of the guiding surface is about 3 mm to about 4 mm.

14. (Original) A valve in accordance with Claim 6, wherein the thickness (D_w) is approximately 1 mm.

15. (Original) A valve in accordance with Claim 6, wherein the thickness of the reservoir is approximately 1 mm.

16. (Original) A valve in accordance with Claim 1, wherein the reservoir has a depth (T) of about 5 mm.

17-22. (Cancelled)